

# SCORE Search Results Details for Application 10601020 and Search Result us-10-601-020-1.

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This page gives you Search Results detail for the Application 10601020 and Search Result us-10-601.rni.

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OM nucleic - nucleic search, using sw model

Run on: October 26, 2006, 07:28:35 ; Search time 150 Seconds  
(without alignments)  
7422.065 Million cell updates/sec

Title: US-10-601-020-1

Perfect score: 595

Sequence: 1 gcacgaatcctaaacctcaa.....gtgcgcaattcctcgaaaa 595

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1403666 seqs, 935554401 residues

Total number of hits satisfying chosen parameters: 2807332

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_NA:\*

1: /EMC\_Celerra\_SIDS3/ptodata/2/ina/1\_COMB.seq:\*

2: /EMC\_Celerra\_SIDS3/ptodata/2/ina/5\_COMB.seq:\*

3: /EMC\_Celerra\_SIDS3/ptodata/2/ina/6A\_COMB.seq:\*

4: /EMC\_Celerra\_SIDS3/ptodata/2/ina/6B\_COMB.seq:\*

5: /EMC\_Celerra\_SIDS3/ptodata/2/ina/7\_COMB.seq:\*

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7: /EMC\_Celerra\_SIDS3/ptodata/2/ina/PCTUS\_COMB.seq:\*

8: /EMC\_Celerra\_SIDS3/ptodata/2/ina/PP\_COMB.seq:\*

9: /EMC\_Celerra\_SIDS3/ptodata/2/ina/RE\_COMB.seq:\*

10: /EMC\_Celerra\_SIDS3/ptodata/2/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

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Result No.	Score	Query Match	Length	DB	ID	Description
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1	595	100.0	9416	3	US-08-823-895A-26	Sequence 26, Appl
2	595	100.0	9416	3	US-10-104-966-13	Sequence 13, Appl
3	595	100.0	9416	3	US-09-929-955-13	Sequence 13, Appl
4	595	100.0	9599	3	US-09-014-416-2	Sequence 2, Appl
5	595	100.0	9646	3	US-08-811-566-1	Sequence 1, Appl
6	595	100.0	9646	3	US-09-034-756-1	Sequence 1, Appl
7	595	100.0	10803	3	US-10-259-275-17	Sequence 17, Appl
8	595	100.0	12119	5	US-10-009-011-1	Sequence 1, Appl
9	593.4	99.7	12980	3	US-08-811-566-5	Sequence 5, Appl
10	593.4	99.7	12980	3	US-09-034-756-5	Sequence 5, Appl
11	591.8	99.5	9365	3	US-09-827-688-7	Sequence 7, Appl
12	591.8	99.5	9401	2	US-08-432-693-1	Sequence 1, Appl
13	591.8	99.5	9416	3	US-08-811-566-19	Sequence 19, Appl
14	591.8	99.5	9416	3	US-09-034-756-19	Sequence 19, Appl
15	582.6	97.9	9401	7	PCT-US91-02225-9	Sequence 9, Appl
16	581	97.6	9379	3	US-08-444-818-176	Sequence 176, App
17	580.6	97.6	657	2	US-07-681-703B-11	Sequence 11, Appl
18	580.6	97.6	657	2	US-08-407-410B-11	Sequence 11, Appl
19	580.6	97.6	657	2	US-08-485-500-11	Sequence 11, Appl
20	580.6	97.6	657	7	PCT-US91-02370-11	Sequence 11, Appl
21	580.6	97.6	957	4	US-09-851-138C-208	Sequence 208, App
22	580.6	97.6	9185	3	US-08-444-818-122	Sequence 122, App
c 23	580.6	97.6	9185	3	US-08-444-818-123	Sequence 123, App
24	580.6	97.6	9379	3	US-09-388-874-1	Sequence 1, Appl
25	580.6	97.6	9379	3	US-09-916-359-1	Sequence 1, Appl
26	580.6	97.6	9401	2	US-07-910-760-9	Sequence 9, Appl
27	580.6	97.6	9401	2	US-08-440-519-9	Sequence 9, Appl
28	580.6	97.6	9401	3	US-08-440-549-9	Sequence 9, Appl
29	580.6	97.6	9401	3	US-08-823-895A-25	Sequence 25, Appl
30	579	97.3	8987	3	US-08-444-818-137	Sequence 137, App
31	575.8	96.8	657	2	US-07-681-703B-13	Sequence 13, Appl
32	575.8	96.8	657	2	US-08-407-410B-13	Sequence 13, Appl
33	575.8	96.8	657	2	US-08-485-500-13	Sequence 13, Appl
34	575.8	96.8	657	7	PCT-US91-02370-13	Sequence 13, Appl
35	575.8	96.8	1539	2	US-08-470-426B-16	Sequence 16, Appl
36	575.8	96.8	1863	2	US-08-470-426B-13	Sequence 13, Appl
37	564.2	94.8	573	2	US-08-290-665A-104	Sequence 104, App
38	564.2	94.8	573	7	PCT-US95-10398-104	Sequence 104, App
39	559	93.9	630	3	US-09-203-649-1	Sequence 1, Appl
40	559	93.9	630	3	US-09-968-255-1	Sequence 1, Appl
41	557.8	93.7	573	2	US-08-290-665A-103	Sequence 103, App
42	557.8	93.7	573	7	PCT-US95-10398-103	Sequence 103, App
43	554.6	93.2	573	2	US-08-290-665A-105	Sequence 105, App
44	554.6	93.2	573	7	PCT-US95-10398-105	Sequence 105, App
45	551.4	92.7	573	2	US-08-290-665A-106	Sequence 106, App

## ALIGNMENTS

## RESULT 1

US-08-823-895A-26

; Sequence 26, Application US/08823895A

; Patent No. 6433159

; GENERAL INFORMATION:

; APPLICANT: Kevin P. Anderson

; TITLE OF INVENTION: Compositions And Methods For

; TITLE OF INVENTION: Treatment Of Hepatitis C Virus-Associated Diseases

; NUMBER OF SEQUENCES: 27

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Jane Massey Licata, Esq.  
 ; STREET: 66 E. Main Street  
 ; CITY: Marlton  
 ; STATE: NJ  
 ; COUNTRY: USA  
 ; ZIP: 08053  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE  
 ; COMPUTER: IBM 486  
 ; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
 ; SOFTWARE: WORDPERFECT 5.1  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/823,895A  
 ; FILING DATE: March 17, 1997  
 ; CLASSIFICATION: 514  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/453,085  
 ; FILING DATE: May 30, 1995  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 07/945,289  
 ; FILING DATE: September 10, 1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Jane Massey Licata  
 ; REGISTRATION NUMBER: 32,257  
 ; REFERENCE/DOCKET NUMBER: ISPH-0203  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (609) 779-2400  
 ; TELEFAX: (609) 810-1454  
 ; INFORMATION FOR SEQ ID NO: 26:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 9416  
 ; TYPE: Nucleic  
 ; STRANDEDNESS: Single  
 ; TOPOLOGY: Linear  
 ; ANTI-SENSE: NO

US-08-823-895A-26

Query Match 100.0%; Score 595; DB 3; Length 9416;  
 Best Local Similarity 100.0%; Pred. No. 7.7e-159;  
 Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAACCTCAAAGAAAAACCAACGTAACACCAACCGTCGCCACAGGACG	60
Db	346	GCACGAATCCTAACCTCAAAGAAAAACCAACGTAACACCAACCGTCGCCACAGGACG	405
Qy	61	TCAAGTTCCGGGTGGCGGTCAAGATCGTGGTGGAGTTACTTGTGCGCGCAGGGGCC	120
Db	406	TCAAGTTCCGGGTGGCGGTCAAGATCGTGGTGGAGTTACTTGTGCGCGCAGGGGCC	465
Qy	121	CTAGATTGGGTGTGCGCGCAGCAGGAAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC	180
Db	466	CTAGATTGGGTGTGCGCGCAGCAGGAAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC	525
Qy	181	GTCAGCCTATCCCCAAGGCACGTCGGCCGAGGGCAGGACCTGGCTCAGCCGGTACC	240
Db	526	GTCAGCCTATCCCCAAGGCACGTCGGCCGAGGGCAGGACCTGGCTCAGCCGGTACC	585
Qy	241	CTTGGCCCTCTATGGCAATGAGGGTTGGGGTGGCGGGATGGCTCCTGTCTCCCGTG	300
Db	586	CTTGGCCCTCTATGGCAATGAGGGTTGGGGTGGCGGGATGGCTCCTGTCTCCCGTG	645

Qy	301	GCTCTCGGCCTAGCTGGGCCACAGACCCCCGGCGTAGGTCGCGCAATTGGGTAGG	360
Db	646	GCTCTCGGCCTAGCTGGGCCACAGACCCCCGGCGTAGGTCGCGCAATTGGGTAGG	705
Qy	361	TCATCGATAACCTTACGTGCGGCTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATAACCTTACGTGCGGCTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCCTCTGGAGGCCTGCCAGGCCCTGGCGCATGGGTCCGGTTCTGGAAGACGGCG	480
Db	766	CCCCTCTGGAGGCCTGCCAGGCCCTGGCGCATGGGTCCGGTTCTGGAAGACGGCG	825
Qy	481	TGAACATATGCAACAGGAACCTCCTGGTTGCTTTCTATCTTCTCTGGCCCTGC	540
Db	826	TGAACATATGCAACAGGAACCTCCTGGTTGCTTTCTATCTTCTCTGGCCCTGC	885
Qy	541	TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCAGCAATTCTCGGGCT	595
Db	886	TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCAGCAATTCTCGGGCT	940

## RESULT 2

US-10-104-966-13

; Sequence 13, Application US/10104966  
; Patent No. 6680059  
; GENERAL INFORMATION:  
; APPLICANT: Matti Sallberg  
; APPLICANT: Catharina Hultgren  
; TITLE OF INVENTION: VACCINES CONTAINING RIBAVIRIN AND  
; TITLE OF INVENTION: METHODS OF USE THEREOF  
; FILE REFERENCE: TRIPEP.23AUSC1  
; CURRENT APPLICATION NUMBER: US/10/104,966  
; CURRENT FILING DATE: 2002-03-22  
; PRIOR APPLICATION NUMBER: 09/705,547  
; PRIOR FILING DATE: 2000-11-03  
; PRIOR APPLICATION NUMBER: 60/229,175  
; PRIOR FILING DATE: 2000-08-29  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO 13  
; LENGTH: 9416  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Hepatitis C virus sequence

US-10-104-966-13

Query Match 100.0%; Score 595; DB 3; Length 9416;  
Best Local Similarity 100.0%; Pred. No. 7.7e-159;  
Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	60
Db	346	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	405
Qy	61	TCAAGTTCCGGGTGGCGGTCAAGATCGTGGTGGAGTTACTTGTGCGCGCAGGGGCC	120
Db	406	TCAAGTTCCGGGTGGCGGTCAAGATCGTGGTGGAGTTACTTGTGCGCGCAGGGGCC	465
Qy	121	CTAGATTGGGTGTGCGCGCAGCAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC	180

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Db      466 CTAGATTGGGTGTGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC 525
Qy      181 GTCAGCCTATCCCCAAGGCACGTGGCCGAGGGCAGGACCTGGCTCAGCCCGGGTACC 240
Db      526 GTCAGCCTATCCCCAAGGCACGTGGCCGAGGGCAGGACCTGGCTCAGCCCGGGTACC 585
Qy      241 CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG 300
Db      586 CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG 645
Qy      301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTGGGTAGG 360
Db      646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTGGGTAGG 705
Qy      361 TCATCGATAACCTTACGTGCGGCTTCGCGACCTCATGGGTACATACCGCTCGTCGGCG 420
Db      706 TCATCGATAACCTTACGTGCGGCTTCGCGACCTCATGGGTACATACCGCTCGTCGGCG 765
Qy      421 CCCCTCTGGAGGGCGCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG 480
Db      766 CCCCTCTGGAGGGCGCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG 825
Qy      481 TGAACTATGCAACAGGAACCTCCTGGTTGCTTTCTATCTTCCTCTGGCCCTGC 540
Db      826 TGAACTATGCAACAGGAACCTCCTGGTTGCTTTCTATCTTCCTCTGGCCCTGC 885
Qy      541 TCTCTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCAGCAATTCTCGGGCT 595
Db      886 TCTCTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCAGCAATTCTCGGGCT 940

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## RESULT 3

US-09-929-955-13

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; Sequence 13, Application US/09929955
; Patent No. 6858590
; GENERAL INFORMATION:
; APPLICANT: Matti Sallberg
; APPLICANT: Catharina Hultgren
; TITLE OF INVENTION: VACCINES CONTAINING RIBAVIRIN AND
; TITLE OF INVENTION: METHODS OF USE THEREOF
; FILE REFERENCE: TRIPEP.23AUS2
; CURRENT APPLICATION NUMBER: US/09/929,955
; CURRENT FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 09/705,547
; PRIOR FILING DATE: 2000-11-03
; PRIOR APPLICATION NUMBER: 60/229,175
; PRIOR FILING DATE: 2000-08-29
; PRIOR APPLICATION NUMBER: 60/225,767
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 9416
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hepatitis C virus sequence
US-09-929-955-13

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Query Match      100.0%;  Score 595;  DB 3;  Length 9416;
Best Local Similarity 100.0%;  Pred. No. 7.7e-159;

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Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCACGAATCTAACCTCAAAGAAAAACCAACGTAACACCAACCCTCGCCCCACAGGACG 60  
       |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||  

Db 346 GCACGAATCTAACCTCAAAGAAAAACCAACGTAACACCAACCCTCGCCCCACAGGACG 405  
       |||||||||||||||||||||||||||||||||||||||||||||||||||||||  

Qy 61 TCAAGTCCC GGTCAGATCGTTGGAGTTACTTGTGCGCGCAGGGGCC 120  
       |||||||||||||||||||||||||||||||||||||||||||||||||||  

Db 406 TCAAGTCCC GGTCAGATCGTTGGAGTTACTTGTGCGCGCAGGGGCC 465  
       |||||||||||||||||||||||||||||||||||||||||||||||  

Qy 121 CTAGATTGGGTGTGCGCGCAGCAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180  
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Db 466 CTAGATTGGGTGTGCGCGCAGCAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 525  
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Qy 181 GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGCTCAGCCGGTACC 240  
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Db 526 GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGCTCAGCCGGTACC 585  
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Qy 241 CTTGGCCCTCTATGGCAATGAGGGTTGGCGGGATGGCTCTGTCTCCCGTG 300  
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Db 586 CTTGGCCCTCTATGGCAATGAGGGTTGGCGGGATGGCTCTGTCTCCCGTG 645  
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Qy 301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGAACATTGGTAAGG 360  
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Db 646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGAACATTGGTAAGG 705  
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Qy 361 TCATCGATAACCTTACGTGCGGTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG 420  
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Db 706 TCATCGATAACCTTACGTGCGGTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG 765  
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Qy 421 CCCCTCTGGAGGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG 480  
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Db 766 CCCCTCTGGAGGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG 825  
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Qy 481 TGAACTATGCAACAGGAACCTTCTGGTTGCTCTTCTCATCTTCCCTCTGGCCCTGC 540  
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Db 826 TGAACTATGCAACAGGAACCTTCTGGTTGCTCTTCTCATCTTCCCTCTGGCCCTGC 885  
       |||||||||||||||||||||||||||||||||||  

Qy 541 TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCACATTCCCTCGGGGCT 595  
       |||||||||||||||||||||||||||||||||||  

Db 886 TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCACATTCCCTCGGGGCT 940  
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## RESULT 4

US-09-014-416-2  
; Sequence 2, Application US/09014416  
; Patent No. 6153421  
; GENERAL INFORMATION:  
; APPLICANT: Yanagi, Masayuki  
; APPLICANT: Bukh, Jens  
; APPLICANT: Emerson, Susanne U.  
; APPLICANT: Purcell, Robert H.  
; TITLE OF INVENTION: CLONED GENOMES OF INFECTIOUS HEPATITIS C VIRUSES AND  
; TITLE OF INVENTION: USES THEREOF  
; FILE REFERENCE: 20264276  
; CURRENT APPLICATION NUMBER: US/09/014,416  
; CURRENT FILING DATE: 1998-01-27  
; EARLIER APPLICATION NUMBER: US 60/053,062  
; EARLIER FILING DATE: 1997-07-18  
; NUMBER OF SEQ ID NOS: 65  
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2  
 ; LENGTH: 9599  
 ; TYPE: DNA  
 ; ORGANISM: Hepatitis C virus  
 US-09-014-416-2

Query Match 100.0%; Score 595; DB 3; Length 9599;  
 Best Local Similarity 100.0%; Pred. No. 7.7e-159;  
 Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAACCTCAAAGAAAAACCAACGTAACACCAACCCTCGCCACAGGACG	60
Db	346	GCACGAATCCTAACCTCAAAGAAAAACCAACGTAACACCAACCCTCGCCACAGGACG	405
Qy	61	TCAAGTTCCCGGGTGGCGGTCAAGATCGTTGGAGTTACTTGTGTTGCCCGCGCAGGGGCC	120
Db	406	TCAAGTTCCCGGGTGGCGGTCAAGATCGTTGGAGTTACTTGTGTTGCCCGCGCAGGGGCC	465
Qy	121	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC	180
Db	466	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC	525
Qy	181	GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGCTCAGCCGGGTACC	240
Db	526	GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGCTCAGCCGGGTACC	585
Qy	241	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	300
Db	586	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	645
Qy	301	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGAACCTGGTAAGG	360
Db	646	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGAACCTGGTAAGG	705
Qy	361	TCATCGATAACCTTACGTGCGGTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATAACCTTACGTGCGGTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCCTCTGGAGGCCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG	480
Db	766	CCCCTCTGGAGGCCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG	825
Qy	481	TGAACATGCAACAGGAACCTCCTGGTTGCTTTCTCTATCTTCCCTCTGGCCCTGC	540
Db	826	TGAACATGCAACAGGAACCTCCTGGTTGCTTTCTCTATCTTCCCTCTGGCCCTGC	885
Qy	541	TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCACATTCCCTGGGGCT	595
Db	886	TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCACATTCCCTGGGGCT	940

## RESULT 5

US-08-811-566-1

; Sequence 1, Application US/08811566

; Patent No. 6127116

; GENERAL INFORMATION:

; APPLICANT: Rice, Charles et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C

; TITLE OF INVENTION: VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: David A. Jackson, Esq.  
 ; STREET: 411 Hackensack Ave, Continental Plaza, 4th  
 ; STREET: Floor  
 ; CITY: Hackensack  
 ; STATE: New Jersey  
 ; COUNTRY: USA  
 ; ZIP: 07601  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/811,566  
 ; FILING DATE: 03-MAR-1997  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Jackson Esq., David A.  
 ; REGISTRATION NUMBER: 26,742  
 ; REFERENCE/DOCKET NUMBER: 1113-1-006  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 201-487-5800  
 ; TELEFAX: 201-343-1684  
 ; INFORMATION FOR SEQ ID NO: 1:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 9646 base pairs  
 ; TYPE: nucleic acid  
 ; STRANDEDNESS: double  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA  
 ; HYPOTHETICAL: NO  
 ; ANTI-SENSE: NO  
 US-08-811-566-1

Query Match 100.0%; Score 595; DB 3; Length 9646;  
 Best Local Similarity 100.0%; Pred. No. 7.7e-159;  
 Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
  
 Qy 1 GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCCAACCGTCGCCACAGGACG 60  
 |||||||  
 Db 346 GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCCAACCGTCGCCACAGGACG 405  
  
 Qy 61 TCAAGTTCCCGGGTGGCGGTCAAGATCGTTGGAGTTACTTGTGCCCCGAGGGGCC 120  
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 Db 526 GTCAGCCTATCCCCAAGGCACGTCGGCCGAGGGCAGGACCTGGCTCAGCCCAGGTACC 585  
  
 Qy 241 CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG 300  
 |||||||  
 Db 586 CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG 645  
  
 Qy 301 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTGGGTAGG 360  
 |||||||  
 Db 646 GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTGGGTAGG 705

Qy	361	TCATCGATAACCCTACGTGCGGCTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATAACCCTACGTGCGGCTCGCCGACCTCATGGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCTCTGGAGGCCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG	480
Db	766	CCCTCTGGAGGCCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG	825
Qy	481	TGAACATGCAACAGGAACCTTCTGGTTGCTTTCTCTATCTTCTTCTGGCCCTGC	540
Db	826	TGAACATGCAACAGGAACCTTCTGGTTGCTTTCTCTATCTTCTTCTGGCCCTGC	885
Qy	541	TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCAGCAATTCCCTGGGGCT	595
Db	886	TCTCTTGCCTGACTGTGCCCGCTTCAGCCTACCAAGTGCAGCAATTCCCTGGGGCT	940

## RESULT 6

US-09-034-756-1

```

; Sequence 1, Application US/09034756
; Patent No. 6392028
; GENERAL INFORMATION:
;   APPLICANT: RICE, CHARLES et al.
;   TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C
;                      VIRUS (HCV) AND USES THEREOF
;   NUMBER OF SEQUENCES: 21
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: HOWELL & HAVERKAMP, L.C.
;     STREET: 7733 FORSYTH BLVD., SUITE 1400
;     CITY: ST. LOUIS
;     STATE: MO
;     COUNTRY: USA
;     ZIP: 63105
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/09/034,756
;     FILING DATE: 04-May-1998
;     CLASSIFICATION:
;     ATTORNEY/AGENT INFORMATION:
;       NAME: HOLLAND, DONALD R.
;       REGISTRATION NUMBER: 35,197
;       REFERENCE/DOCKET NUMBER: 6029-4831
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE: 314-727-5188
;       TELEFAX: 314-727-6092
;   INFORMATION FOR SEQ ID NO: 1:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 9646 base pairs
;       TYPE: nucleic acid
;       STRANDEDNESS: double
;       TOPOLOGY: linear
;       MOLECULE TYPE: cDNA
;       HYPOTHETICAL: NO
;       ANTI-SENSE: NO
;     SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-034-756-1

```

Query Match 100.0%; Score 595; DB 3; Length 9646;  
 Best Local Similarity 100.0%; Pred. No. 7.7e-159;  
 Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	60
Db	346	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	405
Qy	61	TCAAGTTCCC GG GTGGCGGT CAGATCGTTGGTGGAGTTACTTGTGCGCGCAGGGGCC	120
Db	406	TCAAGTTCCC GG GTGGCGGT CAGATCGTTGGTGGAGTTACTTGTGCGCGCAGGGGCC	465
Qy	121	CTAGATTGGGTGTGCGCGCAGCAGGAAAGACTTCCAGCGGT CGAACCTCGAGGTAGAC	180
Db	466	CTAGATTGGGTGTGCGCGCAGCAGGAAAGACTTCCAGCGGT CGAACCTCGAGGTAGAC	525
Qy	181	GTCAGCCTATCCCCAAGGCACGT CGGCCGAGGGCAGGACCTGGGCTCAGCCC GG TACC	240
Db	526	GTCAGCCTATCCCCAAGGCACGT CGGCCGAGGGCAGGACCTGGGCTCAGCCC GG TACC	585
Qy	241	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCCGTG	300
Db	586	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCCGTG	645
Qy	301	GCTCTCGGCCTAGCTGGGCCCCACAGACCCCCGGCGTAGGTCGCGAACATTGGGTAGG	360
Db	646	GCTCTCGGCCTAGCTGGGCCCCACAGACCCCCGGCGTAGGTCGCGAACATTGGGTAGG	705
Qy	361	TCATCGATAACCCTTACGTGCGGTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATAACCCTTACGTGCGGTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCCTCTGGAGGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAAGACGGCG	480
Db	766	CCCCTCTGGAGGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAAGACGGCG	825
Qy	481	TGA ACT ATGCAACAGGAACCTCCTGGTTGCTTTCTCTATCTTCTCTGGCCCTGC	540
Db	826	TGA ACT ATGCAACAGGAACCTCCTGGTTGCTTTCTCTATCTTCTCTGGCCCTGC	885
Qy	541	TCTCTTGCCTGACTGTGCCCGTTCAGCCTACCAAGT GCGAACATTCTCGGGCT	595
Db	886	TCTCTTGCCTGACTGTGCCCGTTCAGCCTACCAAGT GCGAACATTCTCGGGCT	940

## RESULT 7

US-10-259-275-17  
 ; Sequence 17, Application US/10259275  
 ; Patent No. 6921634  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lemon, Stanley M.  
 ; APPLICANT: Yi, MinKyung  
 ; TITLE OF INVENTION: REPLICATION COMPETENT HEPATITIS C VIRUS AND METHODS OF USE  
 ; FILE REFERENCE: 265.0007 0120  
 ; CURRENT APPLICATION NUMBER: US/10/259,275  
 ; CURRENT FILING DATE: 2003-01-13  
 ; PRIOR APPLICATION NUMBER: US 60/171,909  
 ; PRIOR FILING DATE: 1999-12-23  
 ; PRIOR APPLICATION NUMBER: US 09/747,419  
 ; PRIOR FILING DATE: 2000-12-23

; PRIOR APPLICATION NUMBER: US 60/325,236  
 ; PRIOR FILING DATE: 2001-09-27  
 ; PRIOR APPLICATION NUMBER: US 60/338,123  
 ; PRIOR FILING DATE: 2001-11-13  
 ; NUMBER OF SEQ ID NOS: 73  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 17  
 ; LENGTH: 10803  
 ; TYPE: DNA  
 ; ORGANISM: artificial  
 ; FEATURE:  
 ; OTHER INFORMATION: Nucleotide sequence of MK0-Z  
 US-10-259-275-17

Query Match 100.0%; Score 595; DB 3; Length 10803;  
 Best Local Similarity 100.0%; Pred. No. 8.1e-159;  
 Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	60
Db	346	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	405
Qy	61	TCAAGTTCCCGGGTGGCGGTAGATCGTTGGAGTTACTTGTGCCCCGCAGGGGCC	120
Db	406	TCAAGTTCCCGGGTGGCGGTAGATCGTTGGAGTTACTTGTGCCCCGCAGGGGCC	465
Qy	121	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCAGCGGTGCAACCTCGAGGTAGAC	180
Db	466	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCAGCGGTGCAACCTCGAGGTAGAC	525
Qy	181	GTCAGCCTATCCCCAAGGCACGTCGGCCGAGGGCAGGACCTGGCTCAGCCGGTACC	240
Db	526	GTCAGCCTATCCCCAAGGCACGTCGGCCGAGGGCAGGACCTGGCTCAGCCGGTACC	585
Qy	241	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	300
Db	586	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	645
Qy	301	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCTAGGTGCGCAATTGGTAAGG	360
Db	646	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCTAGGTGCGCAATTGGTAAGG	705
Qy	361	TCATCGATAACCTTACGTGCGGTTGCCGACCTCATGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATAACCTTACGTGCGGTTGCCGACCTCATGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCCTCTGGAGGCCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG	480
Db	766	CCCCTCTGGAGGCCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG	825
Qy	481	TGAACTATGCAACAGGGAACCTTCTGGTTGCTTTCTATCTTCTCTGGCCCTGC	540
Db	826	TGAACTATGCAACAGGGAACCTTCTGGTTGCTTTCTATCTTCTCTGGCCCTGC	885
Qy	541	TCTCTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCACATTCCCTGGGGCT	595
Db	886	TCTCTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCACATTCCCTGGGGCT	940

RESULT 8  
 US-10-009-011-1

; Sequence 1, Application US/10009011  
 ; Patent No. 7009044  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Nam, Jae-Hwan  
 ; APPLICANT: Bukh, Jens  
 ; APPLICANT: Purcell, Robert  
 ; APPLICANT: Emerson, Suzanne  
 ; TITLE OF INVENTION: HCV/BVDV Chimeric cDNA1 Clone and Uses Thereof  
 ; FILE REFERENCE: 20264303  
 ; CURRENT APPLICATION NUMBER: US/10/009,011  
 ; CURRENT FILING DATE: 2002-07-19  
 ; NUMBER OF SEQ ID NOS: 4  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 12119  
 ; TYPE: DNA  
 ; ORGANISM: Chimaera sp.  
 US-10-009-011-1

Query Match 100.0%; Score 595; DB 5; Length 12119;  
 Best Local Similarity 100.0%; Pred. No. 8.4e-159;  
 Matches 595; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	60
Db	891	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	950
Qy	61	TCAAGTTCCCGGGTGGCGGTAGATCGTTGGAGTTACTTGTGCGCGCAGGGGCC	120
Db	951	TCAAGTTCCCGGGTGGCGGTAGATCGTTGGAGTTACTTGTGCGCGCAGGGGCC	1010
Qy	121	CTAGATTGGGTGTGCGCGACGAGGAAGACTTCCAGCGGTGCGAACCTCGAGGTAGAC	180
Db	1011	CTAGATTGGGTGTGCGCGACGAGGAAGACTTCCAGCGGTGCGAACCTCGAGGTAGAC	1070
Qy	181	GTCAGCCTATCCCCAAGGCACGTGGCCCGAGGGCAGGACCTGGCTCAGCCGGGTACC	240
Db	1071	GTCAGCCTATCCCCAAGGCACGTGGCCCGAGGGCAGGACCTGGCTCAGCCGGGTACC	1130
Qy	241	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	300
Db	1131	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	1190
Qy	301	GCTCTGGCCTAGCTGGGCCACAGACCCCCGGCTAGGTGCGCAATTGGTAAGG	360
Db	1191	GCTCTGGCCTAGCTGGGCCACAGACCCCCGGCTAGGTGCGCAATTGGTAAGG	1250
Qy	361	TCATCGATACCTTACGTGCGGTTGCCGACCTCATGGGTACATACCGCTCGCG	420
Db	1251	TCATCGATACCTTACGTGCGGTTGCCGACCTCATGGGTACATACCGCTCGCG	1310
Qy	421	CCCCTCTGGAGGCGCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG	480
Db	1311	CCCCTCTGGAGGCGCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG	1370
Qy	481	TGAACTATGCAACAGGAACCTTCTGGTTGCTTTCTATCTTCTCTGGCCCTGC	540
Db	1371	TGAACTATGCAACAGGAACCTTCTGGTTGCTTTCTATCTTCTCTGGCCCTGC	1430
Qy	541	TCTCTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCACATTCTCGGGCT	595

Db 1431 TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCACATTCTCGGGGCT 1485

RESULT 9

US-08-811-566-5

; Sequence 5, Application US/08811566

; Patent No. 6127116

; GENERAL INFORMATION:

; APPLICANT: Rice, Charles et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C

; TITLE OF INVENTION: VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: David A. Jackson, Esq.

; STREET: 411 Hackensack Ave, Continental Plaza, 4th

; STREET: Floor

; CITY: Hackensack

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07601

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/811,566

; FILING DATE: 03-MAR-1997

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Jackson Esq., David A.

; REGISTRATION NUMBER: 26,742

; REFERENCE/DOCKET NUMBER: 1113-1-006

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 201-487-5800

; TELEFAX: 201-343-1684

; INFORMATION FOR SEQ ID NO: 5:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 12980 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

US-08-811-566-5

Query Match 99.7%; Score 593.4; DB 3; Length 12980;  
 Best Local Similarity 99.8%; Pred. No. 2.5e-158;  
 Matches 594; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCCAACCGTCGCCACAGGACG 60

Db 346 GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCCAACCGTCGCCACAGGACG 405

Qy 61 TCAAGTTCCCGGGTGGCGGTCAAGATCGTGGTGGAGTTACTTGTGCGCGCAGGGGCC 120

Db 406 TCAAGTTCCCGGGTGGCGGTCAAGATCGTGGTGGAGTTACTTGTGCGCGCAGGGGCC 465

Qy 121 CTAGATTGGGTGTGCGCGCAGCAGGAAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180

Db 346 GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCCAACCGTCGCCACAGGACG 405

Db	466	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC	525
Qy	181	GTCAGCCTATCCCCAAGGCACGTGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC	240
Db	526	GTCAGCCTATCCCCAAGGCACGTGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC	585
Qy	241	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	300
Db	586	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	645
Qy	301	GCTCTCGGCCTAGCTGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTGGGTAGG	360
Db	646	GCTCTCGGCCTAGCTGGGCCCCACAGACCCCCGGCGTAGGTCGCGCAATTGGGTAGG	705
Qy	361	TCATCGATAACCTTACGTGCGGTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATAACCTTACGTGCGGTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCCTTGGAGGGCGCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG	480
Db	766	CCCCTTGGAGGGCGCTGCCAGGGCCCTGGCGATGGCGTCCGGTTCTGGAAGACGGCG	825
Qy	481	TGAACTATGCAACAGGAACCTTCTGGTTGCTTTCTCTATCTTCTCTGGCCCTGC	540
Db	826	TGAACTATGCAACAGGAACCTTCTGGTTGCTTTCTCTATCTTCTCTGGCCCTGC	885
Qy	541	TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCAGCAATTCTCGGGCT	595
Db	886	TCTCTTGCCTGACCGTGCCGCTTCAGCCTACCAAGTGCAGCAATTCTCGGGCT	940

## RESULT 10

US-09-034-756-5

; Sequence 5, Application US/09034756

; Patent No. 6392028

## ; GENERAL INFORMATION:

; APPLICANT: RICE, CHARLES et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C  
; VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

## ; CORRESPONDENCE ADDRESS:

; ADDRESSEE: HOWELL &amp; HAVERKAMP, L.C.

; STREET: 7733 FORSYTH BLVD., SUITE 1400

; CITY: ST. LOUIS

; STATE: MO

; COUNTRY: USA

; ZIP: 63105

## ; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

## ; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/034,756

; FILING DATE: 04-May-1998

## ; CLASSIFICATION:

## ; ATTORNEY/AGENT INFORMATION:

; NAME: HOLLAND, DONALD R.

; REGISTRATION NUMBER: 35,197

; REFERENCE/DOCKET NUMBER: 6029-4831

## ; TELECOMMUNICATION INFORMATION:

;
 TELEPHONE: 314-727-5188  
 ;
 TELEFAX: 314-727-6092  
 ;
 INFORMATION FOR SEQ ID NO: 5:  
 ;
 SEQUENCE CHARACTERISTICS:  
 ;
 LENGTH: 12980 base pairs  
 ;
 TYPE: nucleic acid  
 ;
 STRANDEDNESS: double  
 ;
 TOPOLOGY: linear  
 ;
 MOLECULE TYPE: cDNA  
 ;
 HYPOTHETICAL: NO  
 ;
 ANTI-SENSE: NO  
 ;
 SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
 US-09-034-756-5

Query Match 99.7%; Score 593.4; DB 3; Length 12980;  
 Best Local Similarity 99.8%; Pred. No. 2.5e-158;  
 Matches 594; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	60
Db	346	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCAACCGTCGCCACAGGACG	405
Qy	61	TCAAGTTCCCGGGTGGCGGTCAAGATCGTTGGTGGAGTTACTTGTGCGCGCAGGGGCC	120
Db	406	TCAAGTTCCCGGGTGGCGGTCAAGATCGTTGGTGGAGTTACTTGTGCGCGCAGGGGCC	465
Qy	121	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCAGCGGTGCGAACCTCGAGGTAGAC	180
Db	466	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCAGCGGTGCGAACCTCGAGGTAGAC	525
Qy	181	GTCAGCCTATCCCCAAGGCACGTCGGCCGAGGGCAGGACCTGGGCTCAGCCCAGGTAC	240
Db	526	GTCAGCCTATCCCCAAGGCACGTCGGCCGAGGGCAGGACCTGGGCTCAGCCCAGGTAC	585
Qy	241	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	300
Db	586	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	645
Qy	301	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTGGGTAGG	360
Db	646	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGTGCGCAATTGGGTAGG	705
Qy	361	TCATCGATAACCTTACGTGCGGTTGCCGACCTCATGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATAACCTTACGTGCGGTTGCCGACCTCATGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCCTCTGGAGGCCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAAGACGGCG	480
Db	766	CCCCTCTGGAGGCCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAAGACGGCG	825
Qy	481	TGAACATGCAACAGGAACCTCCTGGTTGCTTTCTATCTTCCCTCTGGCCCTGC	540
Db	826	TGAACATGCAACAGGAACCTCCTGGTTGCTTTCTATCTTCCCTCTGGCCCTGC	885
Qy	541	TCTCTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCACATTCCCTGGGGCT	595
Db	886	TCTCTGCCTGACCGTGCCCCCTCAGCCTACCAAGTGCACATTCCCTGGGGCT	940

RESULT 11  
 US-09-827-688-7

; Sequence 7, Application US/09827688  
 ; Patent No. 6821955  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ORSON, FRANK  
 ; APPLICANT: KINSEY, BERMA  
 ; APPLICANT: BHOGAL, BALBIR  
 ; TITLE OF INVENTION: MACROAGGREGATED PROTEIN CONJUGATES AS ORAL GENETIC IMMUNIZATION  
 ; TITLE OF INVENTION: AGENTS  
 ; FILE REFERENCE: P01949US1/10004014  
 ; CURRENT APPLICATION NUMBER: US/09/827,688  
 ; CURRENT FILING DATE: 2001-04-06  
 ; PRIOR APPLICATION NUMBER: 60/195,680  
 ; PRIOR FILING DATE: 2000-04-07  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 7  
 ; LENGTH: 9365  
 ; TYPE: DNA  
 ; ORGANISM: HEPATITIS C  
 US-09-827-688-7

Query Match 99.5%; Score 591.8; DB 3; Length 9365;  
 Best Local Similarity 99.7%; Pred. No. 6.2e-158;  
 Matches 593; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAACCTCAAAGAAAAACCAACGTAACACCCAACCGTCGCCACAGGACG	60
Db	334	GCACGAATCCTAACCCCCAAAGAAAAACCAACGTAACACCCAACCGTCGCCACAGGACG	393
Qy	61	TCAAGTCCC GG GTGG CG GT CAG AT CG TT GG TG AG TT ACT T GTT GCG CG CAG GGG CC	120
Db	394	TCAAGTCCC GG GTGG CG GT CAG AT CG TT GG TG AG TT ACT T GTT GCG CG CAG GGG CC	453
Qy	121	CTAGATTGGGTGTGCGCGCAGCAGGAAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC	180
Db	454	CTAGATTGGGTGTGCGCGCAGCAGGAAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC	513
Qy	181	GTCAGCCTATCCCCAAGGCACGT CGGCCAGGGCAGGACCTGGCTCAGCCGGTACC	240
Db	514	GTCAGCCTATCCCCAAGGCACGT CGGCCAGGGCAGGACCTGGCTCAGCCGGTACC	573
Qy	241	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	300
Db	574	CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG	633
Qy	301	GCTCTCGGCCTAGCTGGGCCACAGACCCCGGCGTAGGTGCGCAATTGGTAAGG	360
Db	634	GCTCTCGGCCTAGCTGGGCCACAGACCCCGGCGTAGGTGCGCAATTGGTAAGG	693
Qy	361	TCATCGATAACCCTACGTGCGCTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	420
Db	694	TCATCGATAACCCTACGTGCGCTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	753
Qy	421	CCCCTCTGGAGGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG	480
Db	754	CCCCTCTGGAGGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG	813
Qy	481	TGAACATATGCAACAGGAACCTCCTGGTTGCTTTCTCTATCTTCCCTCTGGCCCTGC	540
Db	814	TGAACATATGCAACAGGAACCTCCTGGTTGCTTTCTCTATCTTCCCTCTGGCCCTGC	873

Qy 541 TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGTGCAGCAATTCCCTGGGGCT 595  
 ||||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 874 TCTCTTGCCTGACCGTGCCGCTTCAGCCTACCAAGTGCAGCAATTCCCTGGGGCT 928

RESULT 12

US-08-432-693-1

; Sequence 1, Application US/08432693

; Patent No. 5861267

; GENERAL INFORMATION:

; APPLICANT: Su, Michael

; TITLE OF INVENTION: METHODS AND HOST CELLS FOR ASSAYING

; TITLE OF INVENTION: EXOGENOUS AND ENDOGENOUS PROTEASE ACTIVITY

; NUMBER OF SEQUENCES: 13

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish &amp; Neave

; STREET: 1251 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: United States of America

; ZIP: 10020

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/432,693

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Haley Jr, James F

; REGISTRATION NUMBER: 27,794

; REFERENCE/DOCKET NUMBER: VPI/95-01

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 212-596-9000

; TELEFAX: 212-596-9090

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 9401 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: double

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; HYPOTHETICAL: NO

; ANTI-SENSE: NO

; FEATURE:

; NAME/KEY: mat\_peptide

; LOCATION: 3420..5312

; OTHER INFORMATION: /product= "NS3 protease"

; FEATURE:

; NAME/KEY: mat\_peptide

; LOCATION: 5313..5474

; OTHER INFORMATION: /product= "NS4A"

; FEATURE:

; NAME/KEY: mat\_peptide

; LOCATION: 5475..5552

; OTHER INFORMATION: /product= "truncated NS4B"

US-08-432-693-1

Query Match 99.5%; Score 591.8; DB 2; Length 9401;

Best Local Similarity 99.7%; Pred. No. 6.2e-158;  
 Matches 593; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy	1	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAAACACCAACCCTCGCCCCACAGGACG	60
Db	346	GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAAACACCAACCCTCGCCCCACAGGACG	405
Qy	61	TCAAGTTCCC GG GTGGCGGT CAGATCGTTGGAGTTACTTGTGCGCGCAGGGGCC	120
Db	406	TCGAGTTCCC GG GTGGCGGT CAGATCGTTGGAGTTACTTGTGCGCGCAGGGGCC	465
Qy	121	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCAGCGGT CGCAACCTCGAGGTAGAC	180
Db	466	CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCAGCGGT CGCAACCTCGTGGTAGAC	525
Qy	181	GTCAGCCTATCCCCAAGGCACGT CGGCCAGGGCAGGACCTGGCTCAGCCGGTACC	240
Db	526	GTCAGCCTATCCCCAAGGCACGT CGGCCAGGGCAGGACCTGGCTCAGCCGGTACC	585
Qy	241	CTTGGCCCTCTATGGCAATGAGGGTTGCCGGTGGCGGGATGGCTCCTGTCTCCCGTG	300
Db	586	CTTGGCCCTCTATGGCAATGAGGGTTGCCGGTGGCGGGATGGCTCCTGTCTCCCGTG	645
Qy	301	GCTCTCGGCCTAGCTGGGCCACAGACCCCCGGCGTAGGT CGCGCAATTGGTAAGG	360
Db	646	GCTCTCGGCCTAGCTGGGCCACAGACCCCCGGCGTAGGT CGCGCAATTGGTAAGG	705
Qy	361	TCATCGATAACCTTACGTGCCGCTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	420
Db	706	TCATCGATAACCTTACGTGCCGCTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG	765
Qy	421	CCCCTCTGGAGGCCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG	480
Db	766	CCCCTCTGGAGGCCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG	825
Qy	481	TGAACATATGCAACAGGAACCTCCTGGTTGCTTTCTCTATCTTCTCTGGCCCTGC	540
Db	826	TGAACATATGCAACAGGAACCTCCTGGTTGCTTTCTCTATCTTCTCTGGCCCTGC	885
Qy	541	TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGT GCGCAATTCTCGGGCT	595
Db	886	TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGT GCGCAATTCTCGGGCT	940

## RESULT 13

US-08-811-566-19

; Sequence 19, Application US/08811566

; Patent No. 6127116

; GENERAL INFORMATION:

; APPLICANT: Rice, Charles et al.

; TITLE OF INVENTION: FUNCTIONAL DNA CLONE FOR HEPATITIS C

; TITLE OF INVENTION: VIRUS (HCV) AND USES THEREOF

; NUMBER OF SEQUENCES: 21

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: David A. Jackson, Esq.

; STREET: 411 Hackensack Ave, Continental Plaza, 4th

; STREET: Floor

; CITY: Hackensack

; STATE: New Jersey

; COUNTRY: USA

; ZIP: 07601

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/811,566
; FILING DATE: 03-MAR-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 1113-1-006
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9416 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
US-08-811-566-19

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Query Match      99.5%;  Score 591.8;  DB 3;  Length 9416;
Best Local Similarity 99.7%;  Pred. No. 6.2e-158;
Matches 593;  Conservative 0;  Mismatches 2;  Indels 0;  Gaps 0;

Qy      1 GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCCAACCGTCGCCACAGGACG 60
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Db      346 GCACGAATCCTAACCTCAAAGAAAAACCAAACGTAACACCCAACCGTCGCCACAGGACG 405
        ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||| |
Qy      61 TCAAGTTCCCGGGTGGCGGTCAAGATCGTTGGTGGAGTTACTTGTGTTGCCCGCGCAGGGGCC 120
        || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |
Db      406 TCGAGTTCCCGGGTGGCGGTCAAGATCGTTGGTGGAGTTACTTGTGTTGCCCGCGCAGGGGCC 465
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Qy      121 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGAGGTAGAC 180
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Db      466 CTAGATTGGGTGTGCGCGCGACGAGGAAGACTTCCGAGCGGTGCGAACCTCGTGGTAGAC 525
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Qy      181 GTCAGCCTATCCCCAAGGCACGTCGGCCCGAGGGCAGGACCTGGGCTCAGCCCGGGTACC 240
        || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |
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Qy      241 CTTGGCCCTCTATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG 300
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Qy      361 TCATCGATAACCCTAACGTGCGGTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG 420
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Db      766 CCCCTCTTGGAGGGCGCTGCCAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG 825
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Qy	61	TCAAGTTCCC GG GTGGCGGT CAGATCGTTGGTGGAGTTACTTGTTCGCCGCAGGGGCC 120
Db	406	TCGAGTTCCC GG GTGGCGGT CAGATCGTTGGTGGAGTTACTTGTTCGCCGCAGGGGCC 465
Qy	121	CTAGATTGGGTGTGCGCGCAGCAGGAAGACTTCCAGCGGT CGAACCTCGAGGTAGAC 180
Db	466	CTAGATTGGGTGTGCGCGCAGCAGGAAGACTTCCAGCGGT CGAACCTCGTGGTAGAC 525
Qy	181	GTCAGCCTATCCCCAAGGCACGT CGGCCGAGGGCAGGACCTGGGCTCAGCCC GG TACC 240
Db	526	GTCAGCCTATCCCCAAGGCACGT CGGCCGAGGGCAGGACCTGGGCTCAGCCC GG TACC 585
Qy	241	CTTGGCCCCTCATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG 300
Db	586	CTTGGCCCCTCATGGCAATGAGGGTTGCGGGTGGCGGGATGGCTCCTGTCTCCCGTG 645
Qy	301	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGT CGCGAACATTGGTAAGG 360
Db	646	GCTCTCGGCCTAGCTGGGGCCCCACAGACCCCCGGCGTAGGT CGCGAACATTGGTAAGG 705
Qy	361	TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG 420
Db	706	TCATCGATAACCCTTACGTGCGGCTTCGCCGACCTCATGGGTACATACCGCTCGTCGGCG 765
Qy	421	CCCCTCTGGAGGGCGTGC CAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG 480
Db	766	CCCCTCTGGAGGGCGTGC CAGGGCCCTGGCGCATGGCGTCCGGTTCTGGAAGACGGCG 825
Qy	481	TGAACTATGCAACAGGAACCTT CCGTGGTTGCTCTTCTCATCTT CCGTGGCCCTGC 540
Db	826	TGAACTATGCAACAGGAACCTT CCGTGGTTGCTCTTCTCATCTT CCGTGGCCCTGC 885
Qy	541	TCTCTTGCCTGACTGTGCCGCTTCAGCCTACCAAGT GCGAACATTCCCTGGGGCT 595
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## RESULT 15

PCT-US91-02225-9

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; Sequence 9, Application PC/TUS9102225
; GENERAL INFORMATION:
;   APPLICANT: HOUGHTON, MICHAEL
;   APPLICANT: CHOO, QUI-LIM
;   APPLICANT: KUO, GEORGE
;   TITLE OF INVENTION: COMBINATIONS OF HEPATITIS C VIRUS
;   TITLE OF INVENTION:
;   TITLE OF INVENTION: ANTIBODIES
;   NUMBER OF SEQUENCES: 10
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Morrison & Foerster
;     STREET: 545 Middlefield Road, Suite 200
;     CITY: Menlo Park
;     STATE: CA
;     COUNTRY: USA
;     ZIP: 94025
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:

```

APPLICATION NUMBER: PCT/US91/02225  
FILING DATE: 19910329  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: CIOTTI, THOMAS E.  
REGISTRATION NUMBER: 21,013  
REFERENCE/DOCKET NUMBER: 2300-0101.44  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 327-7250  
TELEFAX: (415) 327-2951  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 9401 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: DNA (genomic)  
PCT-US91-02225-9  
  
Query Match 97.9%; Score 582.6; DB 7; Length 9401;  
Best Local Similarity 98.3%; Pred. No. 2.6e-155;  
Matches 585; Conservative 3; Mismatches 7; Indels 0; Gaps 0;  
  
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Db 346 GCACGAATCCTAACCTCAAARAAAAMCAAACGTAAACACCAACCGTCGCCACAGGACG 405  
||| ||||| ||||| : ||||| : ||||| ||||| ||||| |||||  
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||| ||||| ||||| : ||||| : ||||| ||||| ||||| |||||  
Db 406 TCAAGTTCCCGGGTGGCGGTCAAGATCGTTGGAGTTACTTGTGCCCCGAGGGCC 465  
||| ||||| ||||| : ||||| : ||||| ||||| |||||  
Qy 121 CTAGATTGGGTGTGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC 180  
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Db 466 CTAGATTGGGTGTGCGCGACGAGGAAGACTTCCGAGCGGTGCAACCTCGAGGTAGAC 525  
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Qy 181 GTCAGCCTATCCCCAAGGCACGTCGGCCGAGGGCAGGACCTGGCTCAGCCGGTACC 240  
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Db 886 ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| ||||||| |||| |||||  
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Search completed: October 26, 2006, 07:36:04  
Job time : 151 secs

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SCORE 1.3 BuildDate: 12/06/2005

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